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# FermiGrid Project Status

## February 8, 2005

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# FermiGrid – Status Summary

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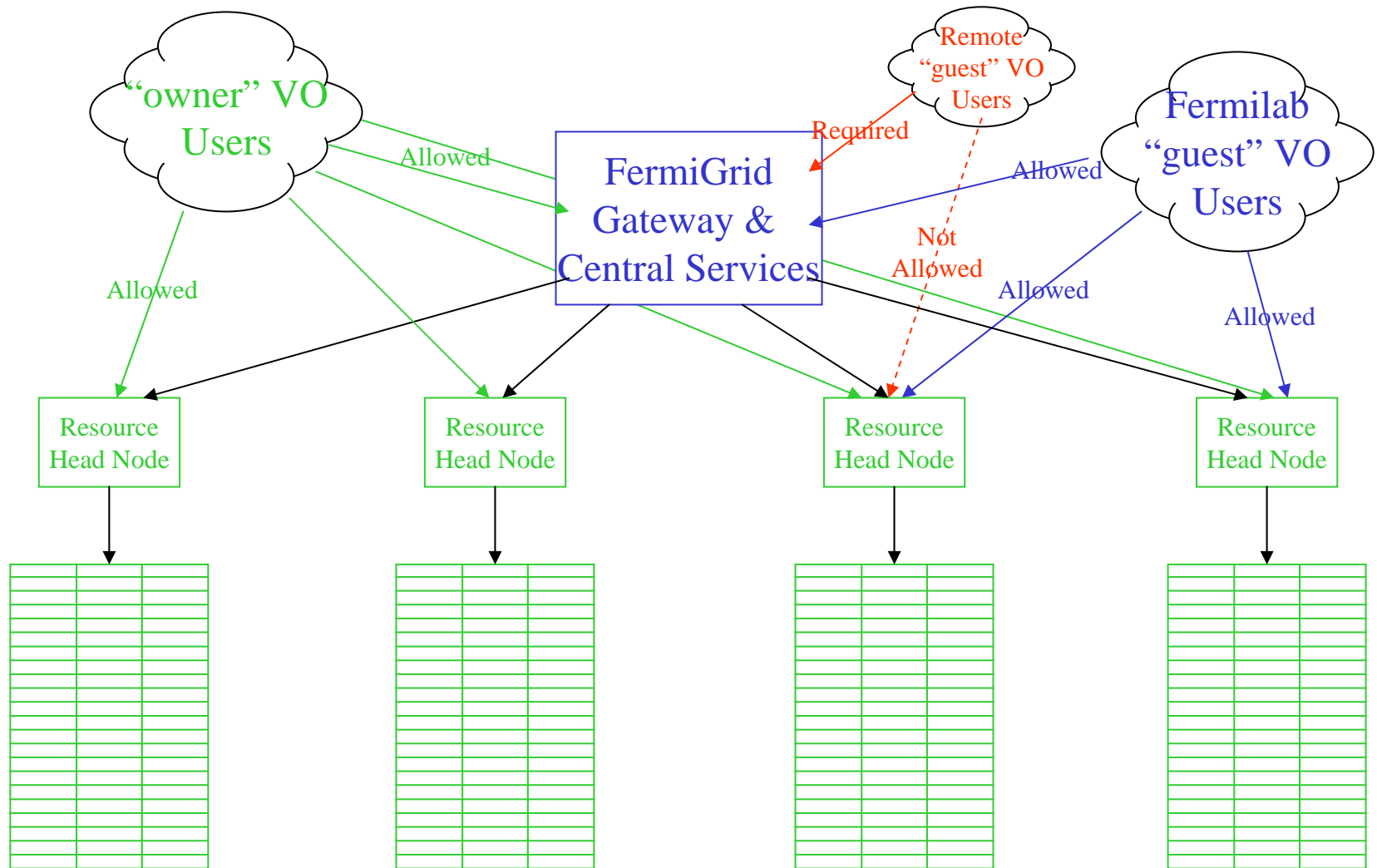
Discussions have taken place with the major stakeholders (CDF, D0, CMS, and GP Farms) on the requirements for FermiGrid.

Based on these discussions:

1. The model for VO access to Fermilab Grid resources has been updated (see next slide).
2. A scheme for initial deployment of a “Fermilab” VO has been proposed (based on the CNAS -> Kerberos and CNAS -> Windows domain scripts used by the Helpdesk). This will just be a “placeholder” VO with no actual resources.
3. A draft FermiGrid Project Definition document has been circulated.

A one day Condor tutorial was held at Fermilab on January 27, 2005.

# FermiGrid – Guest vs. Owner VO Access



# FermiGrid – Status Summary Continued

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FermiGrid personnel are performing “test” installations of the various common Grid services (VDT toolkit, VOMS, VOMRS, GUMS, etc.) to learn about “gotcha’s” in the middleware configuration.

Equipment for the hardware to host the FermiGrid Common Grid Services (CGS) is on order and is scheduled to be delivered by the end of February 2005.

FermiGrid Common Grid Services equipment physical location has been agreed upon by FermiGrid personnel and building management (at the east end of FCC1 adjacent to the row of network racks), and helpdesk tickets have been issued for power and network connections.

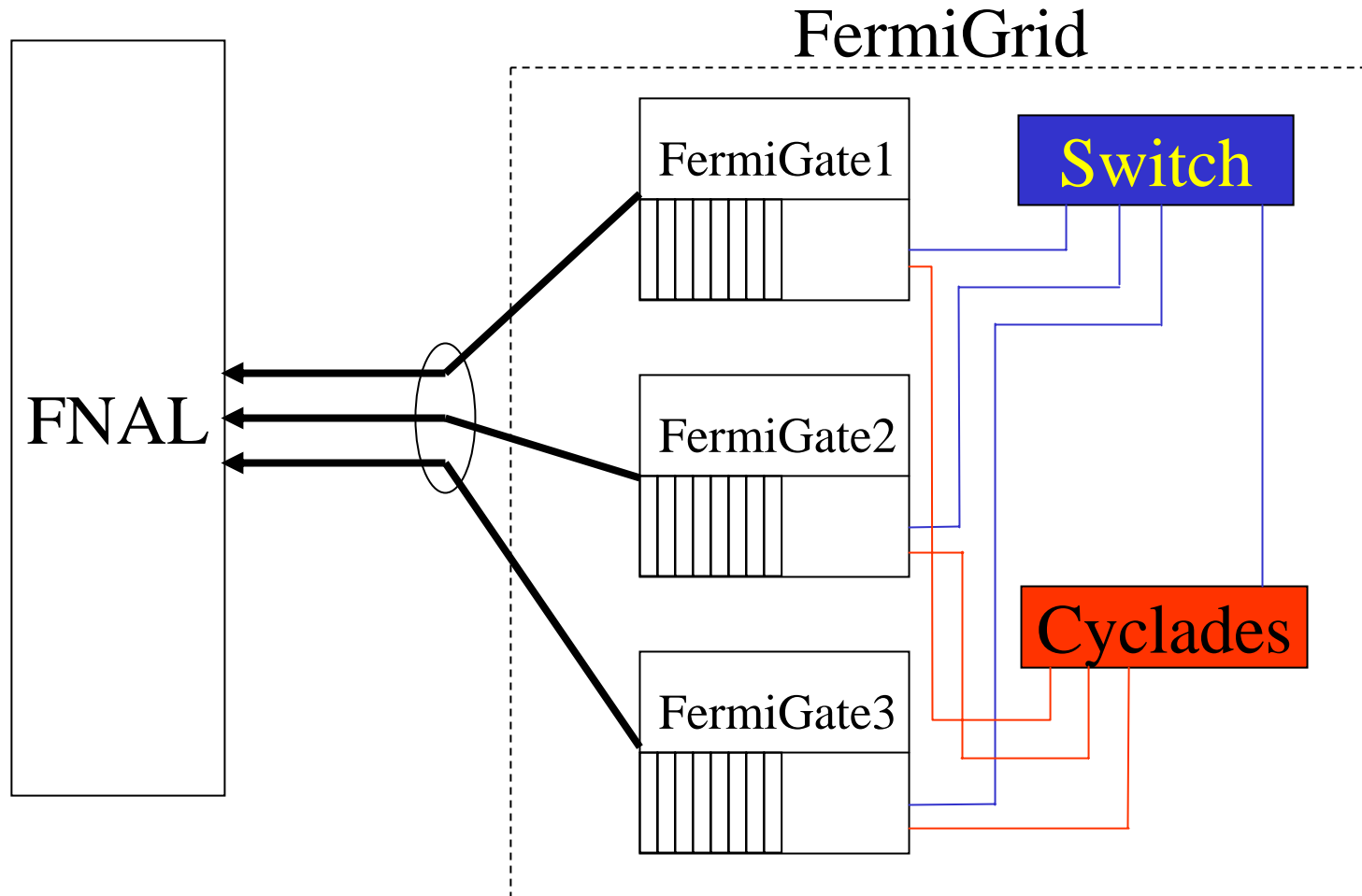
# FermiGrid – Estimated Time Line

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- End Feb 2005:     Hardware installation.  
                      Begin software installation and initial configuration.
- March 2005:        Common Grid Services (CGS) available in non-redundant mode (VOMS, GUMS, Condor, etc.).
- April 2005:        “Gridify” the GP Farms to work with the FermiGrid CGS.
- May 2005:          Work with D0 to transition D0 SamGrid from static gridmap files to use FermiGrid CGS.
- June 2005:         Work with other Fermilab resources to integrate them into the FermiGrid CGS.

# FermiGrid – CGS Hardware Architecture

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# FermiGrid – CGS Hardware Roles

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## FermiGate1

- Primary for Condor + GRIS + GIIS
- Backup for FermiGate2
- Secondary backup for FermiGate3

## FermiGate2

- Primary for VOMS + VOMRS
- Backup for FermiGate3
- Secondary backup for FermiGate1

## FermiGate3

- Primary for GUMS + [PRIMA] (eventually)
- Backup for FermiGate1
- Secondary backup for FermiGate2

All FermiGate systems will have VDT + Globus job manager.

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# FermiGrid – Fin

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Please send any questions to [chadwick@fnal.gov](mailto:chadwick@fnal.gov).